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Attorney Docket No.: VGEN.P-028-2  
PATENT APPLICATION  
April 4, 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Shipman et al.  
Serial No.: 10/032,924  
Confirmation: 9912  
Filed: 12/26/2001  
Title: Method and reagents for testing for mutations in the BRCA1 gene

**SUBMISSION OF INFORMATION DISCLOSURE STATEMENT**

Hon. Commissioner Patents and Trademarks  
Washington, DC 20231

Sir:

Applicants requests that the references listed on Substitute Form PTO-1449, which is enclosed, be made of record in the Patent Office file relating to the above-captioned application. Copies of the references are provided herewith.

Applicants do not believe there are fees due for this submission as we have not yet received an action on the merits. However, the Commissioner is authorized to debit any fees he deems due from or deposit any overpayments to Deposit Account Number 15-0610.

Respectfully submitted,  
OPPEDAHL & LARSON LLP

*Marina T. Larson*

Marina T. Larson, PhD , Reg. No. 32,038  
P.O. Box 5068  
Dillon, CO 80435-5068  
970-468-6600

**CERTIFICATE OF MAILING UNDER 37 CFR §1.8(a)**

I hereby certify that this paper and the attachments named herein are being deposited with the United States Postal Service as first class mail in an envelope addressed to Assistant Commissioner of Patents and Trademarks, Washington, D.C. 20231 on

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Date of Signature

*Linda L. Orr*  
Linda L. Orr

Substitute for form 1449

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**



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**U.S. PATENT DOCUMENTS**

Examiners Initials	U S Patent No.	Name of Persons or applicant	Date of Publication of Cited Document
	5545527	Stevens, et al	13 Aug 1996
	5550020	Gallie et al	27 Aug 1996
	5622829	King et al	22 Apr 1997
	5654155	Murphy	05 Aug 1997
	5693473	Shattuck-Eidens et al.	02 Dec 1997

**FOREIGN PATENT DOCUMENTS**

Examiners Initials	Patent No.	Name of Persons or applicant	Date of Publication of Cited Document
	WO 92/00311	Princeton University, et al	09 Jan 1992
	WO 93/02212	University Partnerships Pty. Ltd. et al.	04 Feb 1993
	WO 94/00603	The Trustees of Princeton University, et al	06 Jan 1994
	WO 95/19369	Vanderbilt University, et al.	20 July 1995
	WO 96/33271	The Regents of the University of California, et al.	24 Oct 1996
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## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

<u>Examiner's Initials</u>	Article
	Chamberlain, Jeffrey S., et al., <b>Detection of Gene Deletions Using Multiplex Polymerase Chain Reactions</b> , Methods in Molecular Biology, Vol. 9, 1991 The Humana Press Inc., pp 299-312.
	Dunn, J.M., et al., <b>Mutations in the RB1 Gene and Their Effects on Transcription</b> , Molecular and Cellular Biology, Nov. 1989, p 4596-4604.
	Gayther, Simon A., et al., <b>Rapid Detection of Regionally Clulstered Germ-Line BRCA1 Mutation by Multiplex Heteroduplex Analysis</b> , Am. J. Hum. Genet. 58:451-456, 1996,
	Kretz, Keith, et al., <b>Cycle Sequencing</b> , in PCR Methods and Applications 3: S107-S112 (1994)
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	Rossiter, Belinda J.F., et al., <b>Detection of deletions and point mutations</b> , Oxford University Press, 1991.
	Shattuck-Eidens, PhD, Donna, et al., <b>A collaborative Survey of 80 Mutations in the BRCA1 Breast and Ovarian Cancer Susceptibility Gene</b> , JAMA February 15, 1995, Vol. 273, No. 7. Pp 535-541.
	Simard, J., et al., <b>Common origins of BRCA1 mutations in Canadian breast and ovarian cancer families</b> , Nature Genetics, Volume 8, December 1994, pp 392-398.
	Struewing, Jeffery P., April 4, 2002 <b>Detection of Eight BRCA1 Mutations in 10 Breast/Ovarian Cancer Families, Inc.uding 1 Family with Male Breast Cancer</b> , Am. J. Hum. Genet. 57; 1-7. 1995.
	Wiemann, Stefan, et al., <b>Simultaneous On-Line DNA Sequencing on Both Strands with Two Fluorescent Dyes</b> , Analytical Biochemistry 224, 117-121 (1995).
	Xu, Zhidong, et al., <b>Multiplex DNA amplification and solid-phase direct sequencing for mutation analysis at the <i>hprt</i> locus in Chinese hamster cells</b> , Mutation Research, 288 (1993) 237-248.



This Information Disclosure Citation List is being submitted as a substitute for Form PTO-1449. The Examiner is requested to place his or her initials on the lines adjacent to the citations to indicate that the reference has been considered. The Examiner is further requested to fill in his or her name and the date the information was considered in blocks at the bottom of this substitute for Form PTO-1449.

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Examiner Signature

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Date Considered